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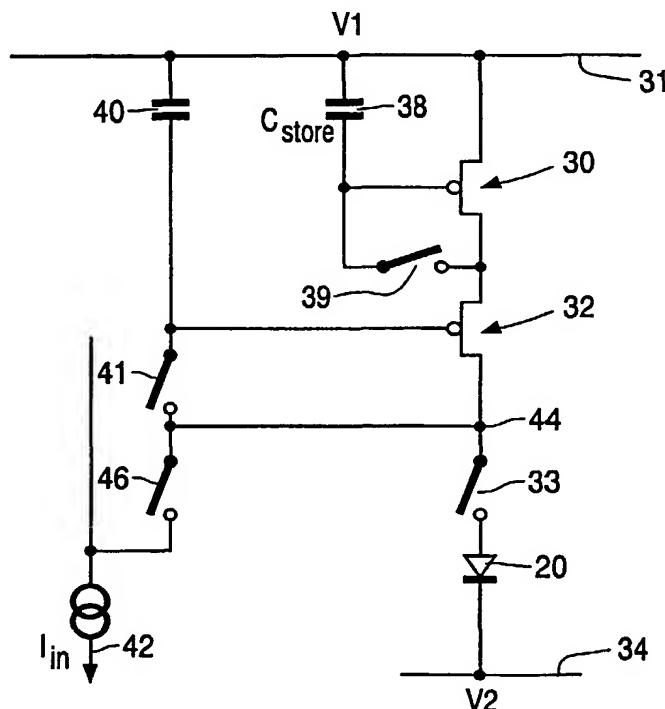
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[Continued on next page]

(54) Title: ELECTROLUMINESCENT DISPLAY DEVICE



(57) Abstract: An active matrix electroluminescent (EL) display device has a switching circuit for each display pixel which has a drive transistor (30) and a cascode transistor (32) in series with the associated EL display element (20). The switching circuit is operable in two modes, a first mode in which an input current is sampled by the drive transistor (30) and a second mode in which the drive transistor drives a current corresponding to the input current through the EL display element (20). This configuration uses the same transistor for current sampling as for current driving, thereby avoiding the need for matched transistors. The cascode transistor increases the output impedance and ensures that no voltage fluctuations pass to the drive transistor, so that a constant current supply is maintained.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G09G3/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 99 65012 A (KONINKL PHILIPS ELECTRONICS NV ; PHILIPS SVENSKA AB (SE)) 16 December 1999 (1999-12-16) abstract the whole document	1-11
A	EP 1 130 565 A (SONY CORP) 5 September 2001 (2001-09-05) abstract page 12, paragraph 78 -page 13, paragraph 82; figure 12	1-11
A	EP 1 170 718 A (SEIKO EPSON CORP) 9 January 2002 (2002-01-09) abstract the whole document	1
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	US 2002/084463 A1 (SCHLIG EUGENE S ET AL) 4 July 2002 (2002-07-04) abstract page 4, paragraph 58; figure 6 -----	1

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